WARRANTY REGISTRATION: register online today for a chance to win a FREE Tripp Lite product—www.tripplite.com/warranty

Owner's Manual

BC Pro®
UPS System

TESTED TO UL 1778 CSA 22.2 No. 107.3

RoHS COMPLIANT

Tested To Comply With FCC Standards FOR HOME OR OFFICE USE

NOM

Not suitable for mobile applications.

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TRIPP·LITE
POWER PROTECTION

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Important Safety Instructions

SAVE THESE INSTRUCTIONS

This manual contains instructions and warnings that should be followed during the installation, operation and storage of this product. Failure to heed these warnings will void the warranty.

UPS Location Warnings

- Install the UPS indoors, away from excess moisture or heat, dust or direct sunlight.
- For best performance, keep the indoor temperature between between 32º F and 104º F (0º C and 40º C).
- Leave adequate space around all sides of the UPS for proper ventilation.

UPS Connection Warnings

- Connect the UPS directly to a properly grounded AC power outlet. Do not plug the UPS into itself; this will damage the UPS.
- Do not modify the UPS plug, and do not use an adapter that would eliminate the ground connection.
- Do not use extension cords to connect the UPS to an AC outlet. The warranty will be void if anything other than Tripp Lite surge suppressors are used to connect the UPS to an outlet.
- If the UPS receives power from a motor-powered AC generator, the generator must provide clean, filtered, computer-grade output.

Equipment Connection Warnings

- Do not use Tripp Lite UPS Systems for life-support applications in which a malfunction or failure of a Tripp Lite UPS System could cause failure or significantly alter the performance of a life-support device.
- Do not connect surge suppressors or extension cords to the output of the UPS. This may damage the UPS and will void the surge suppressor and UPS warranties.

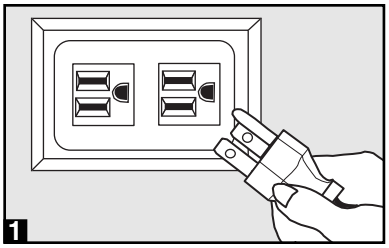
Battery Warnings

- The UPS does not require routine maintenance. Do not open the UPS for any reason. There are no user-serviceable parts inside.
- Batteries can present a risk of electrical shock and burns from high short-circuit current. Observe proper precautions. Do not dispose of the batteries in a fire. Do not open the UPS or batteries. Do not short or bridge the battery terminals with any object. Use tools with insulated handles. Battery replacement should be performed only by authorized service personnel using the same number and type of batteries (Sealed Lead-Acid). The batteries are recyclable. Refer to your local codes for disposal requirements or in the USA only call 1-800-SAV-LEAD or 1-800-8-BATTERY (1-800-822-8837) or visit www.rbrc.com for recycling information. Tripp Lite offers a complete line of UPS System Replacement Battery Cartridges (R.B.C.). Visit Tripp Lite on the Web at www.tripplite.com/support/battery/index.cfm to locate the specific replacement battery for your UPS.
- Do not attempt to add external batteries.

Quick Installation

1 Connect the UPS to an electrical outlet.

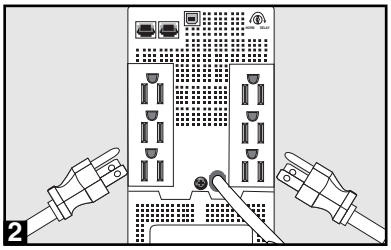
Make sure the outlet does not share a circuit with a heavy electrical load such as an air conditioner or refrigerator.



2 Plug a computer, monitor and/or other equipment into the UPS system.

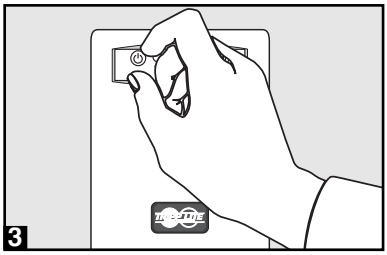
The UPS is designed to support only computer equipment. Connecting high power draw equipment such as household appliances or laser printers to outlets providing UPS battery backup will overload the UPS. Special outlets (clearly labeled on the rear panel) provide surge-only (not battery backup) protection designed for laser printers and other high power draw equipment.

"UPS/Surge" receptacles are used to provide connected equipment with AC line power during normal operation and battery power during blackouts and brownouts. They also protect equipment against damaging surges and line noise. Connect the computer and monitor to the "UPS/Surge" receptacles.



3 Select UPS Operating Mode.

Press the **ON/OFF** button to toggle the UPS between the **ON** ("⏜" LED lit) and the **OFF** ("⏜" LED not lit) modes.



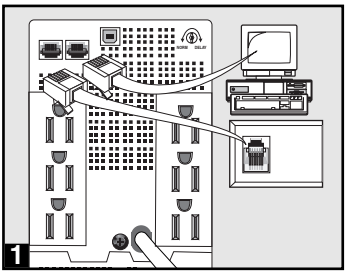
Quick Installation *optional*

These connections are optional. The UPS will function properly without these connections.

1 Phone Line/Network Line Surge Suppression

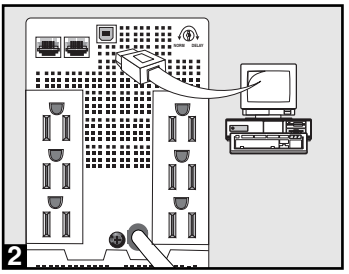
The UPS has jacks which protect against surges over a phone or network data line.

Using telephone cords as appropriate, connect the wall jack to the UPS jack marked "IN." Connect equipment to the UPS jack marked "OUT." Make sure the equipment connected to the UPS jacks is also protected against surges on the AC line.



2 USB Communications

Use any USB cable to connect the computer's USB port to the USB port of the UPS. Download the PowerAlert UPS monitoring software program appropriate for the computer's operating system from www.tripplite.com/software/ and install it.



Basic Operation

Buttons

ON/OFF Button:

Switch the Operating Mode: While the UPS is plugged into a live AC outlet, press the **ON/OFF** button and hold it until the UPS beeps (about 2 seconds) to toggle between **ON** and **OFF.**

- **ON Mode:** ENABLES battery backup. **UPS Conditions:** The UPS charges the battery and supplies power to the outlets while receiving utility line power. The "⏦" indicator light will illuminate. If utility power fails, the UPS provides power from battery.

Cold-Start: Cold start the UPS to use it as a stand-alone power source when utility power is not present (if the UPS battery is charged). To cold start the UPS, press and hold the **ON/OFF** button until the UPS beeps (about 2 seconds), then release it. The "⎓" indicator will illuminate and AC power inverted from stored battery power will be provided to the outlets.

MUTE/TEST Button:

Silence the UPS On-Battery Alarm: Press and hold this button to silence the UPS on-battery alarm, a series of short beeps followed by a brief pause that is activated when the UPS is providing AC power from battery. Note: When the battery is nearly depleted, the low battery alarm—a continuous beep that cannot be silenced—will warn to shut down connected equipment immediately.

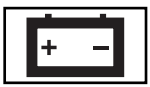
Run a Self-Test: To run a self-test, leave connected equipment on. With the UPS plugged in and **ON**, press and hold the button until the UPS beeps (about 2 seconds) then release it.

Self-Test Results: All LEDs will be lit and the UPS will emit several short beeps as it momentarily switches to battery to test charge and load capacity. The test will last up to 10 seconds. If the inverter is overloaded, the audible alarm will sound and the UPS will automatically shut down; if this happens, remove some of the load from the "UPS/Surge" outlets and run the self-test again. If the batteries are weak, the "🔧" LED will stay lit and the UPS will continue to beep after the test. If this happens, let the UPS charge its batteries for 12 hours and repeat the test. If the condition persists, contact Tripp Lite for service. CAUTION: Do not unplug the UPS to test its batteries. This will remove safe electrical grounding and may introduce a damaging surge into network connections.

Indicator Lights

All Indicator Light descriptions apply when the UPS is plugged into an AC outlet and turned on.

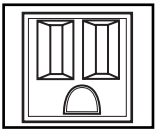
LINE POWER: This green light will illuminate whenever the UPS is **ON** and receiving normal AC line power.



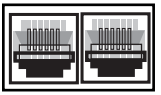
BATTERY POWER: This yellow light will illuminate when the UPS is providing equipment with battery power.

REPLACE BATTERY: This red light will illuminate continuously after the UPS runs a self-test to indicate that the battery is weak. If it remains lit after allowing the UPS to charge for twelve hours and running a second self-test, contact Tripp Lite for service.

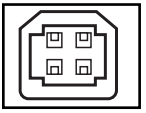
Other UPS Features



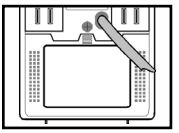
AC Receptacles: "UPS/Surge" receptacles are used to provide connected equipment with AC line power during normal operation and battery power during blackouts and brownouts. They also protect equipment against damaging surges and line noise. "Surge-Only" receptacles are used to provide peripherals with surge protection without committing precious battery power to support them during blackouts.



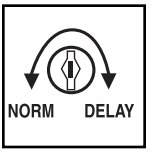
Telephone/DSL/Ethernet Protection Jacks: These jacks protect equipment against surges over a telephone or data line. Connecting equipment to these jacks is optional. The UPS will work properly without this connection.



USB Communication Port: This port can connect the UPS to any computer for automatic file saves and unattended shutdown in the event of a power failure. Use with Tripp Lite's PowerAlert Software and USB cable. A USB cable is included with the UPS. PowerAlert Software is available FREE via the Web at www.tripplite.com/software/. NOTE: This connection is optional. The UPS will work properly without this connection.



Battery Replacement Door: Under normal conditions, the original battery in the UPS will last several years. Battery replacement should be performed only by qualified service personnel. Refer to "Battery Warnings" in the Safety section. Should the UPS require battery replacement, visit Tripp Lite on the Web at www.tripplite.com/support/battery/index.cfm to locate the specific replacement battery for the UPS.



Power Sensitivity Adjustment: This dial is normally set fully counterclockwise, which enables the UPS to protect against waveform distortions in its AC input. When such distortions occur, the UPS will normally switch to providing PWM sinewave power from its battery reserves for as long as the distortions are present. In some areas with poor utility power or where the UPS's input power comes from a backup generator, frequent brownouts and/or chronic waveform distortion could cause the UPS to switch to battery too often, draining its battery reserves. It may be possible to reduce how often the UPS switches to battery due to waveform distortion or brownouts by experimenting with different settings for this dial. As the dial is turned clockwise, the UPS becomes more tolerant of variations in its input power's AC waveform and switches to battery less often. NOTE: The further the dial is adjusted clockwise, the greater the degree of waveform distortion the UPS will allow to pass to connected equipment. When experimenting with different settings for this dial, operate connected equipment in a safe test mode so that the effect on the equipment of any waveform distortions in the UPS's output can be evaluated without disrupting critical operations. The experiment should last long enough to assure that all expected line conditions are encountered.

Storage & Service

Storage

All connected equipment should be turned off, then disconnected from the UPS to avoid battery drain. Unplug the UPS from its AC receptacle, then press and hold its ON/OFF button to deactivate it. The UPS is now ready for storage. When storing the UPS for an extended period of time, fully recharge the UPS batteries once every three months by plugging the UPS into a live AC outlet and letting the UPS charge for 12 hours. If the UPS batteries are discharged for an extended period of time, they will suffer a permanent loss of capacity.

Service

If returning the UPS for service, contact the local Tripp Lite dealer or distributor. They will provide a referral to a service center. Please carefully pack the UPS using the ORIGINAL PACKING MATERIAL that came with the unit. Enclose a letter describing the symptoms of the problem. If the UPS is within the warranty period, enclose a copy of the sales receipt.

Warranty Registration

Visit www.tripplite.com/warranty today to register the warranty for your new Tripp Lite product. You'll be automatically entered into a drawing for a chance to win a FREE Tripp Lite product!*

* No purchase necessary. Void where prohibited. Some restrictions apply. See website for details.

FCC RADIO/TV INTERFERENCE NOTICE: Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference using one or more of the following measures: reorient or relocate the receiving antenna; increase the separation between the equipment and receiver; connect the equipment into an outlet on a circuit different from that which the receiver is connected; consult the dealer or an experienced radio/television technician for help. The user must use shielded cables and connectors with this product. Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Part 68 Notice (United States Only):

If your Modem/Fax Protection causes harm to the telephone network, the telephone company may temporarily discontinue your service. If possible, they will notify you in advance. If advance notice isn't practical, you will be notified as soon as possible. You will be advised of your right to file a complaint with the FCC. Your telephone company may make changes in its facilities, equipment, operations or procedures that could affect the proper operation of your equipment. If it does, you will be given advance notice to give you an opportunity to maintain uninterrupted service. If you experience trouble with this equipment's Modem/Fax Protection, please call Tripp Lite Technical Support at (773) 869-1234 for repair/warranty information. The telephone company may ask you to disconnect this equipment from the network until the problem has been corrected or you are sure the equipment is not malfunctioning. There are no repairs that can be made by the customer to the Modem/Fax Protection. This equipment may not be used on coin service provided by the telephone company. Connection to party lines is subject to state tariffs. (Contact your state public utility commission or corporation commission for information.)

EQUIPMENT ATTACHMENT LIMITATIONS (Models with the Industry Canada label in Canada only): NOTICE: The Industry Canada label identifies certified equipment. This certification means that the equipment meets the telecommunications network protective, operational and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements Document(s). The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that the compliance with the above conditions might not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas. Caution: Users should not attempt to make connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

Regulatory Compliance Identification Numbers

For the purpose of regulatory compliance certifications and identification, your Tripp Lite product has been assigned a unique series number. The series number can be found on the product nameplate label, along with all required approval markings and information. When requesting compliance information for this product, always refer to the series number. The series number should not be confused with the marking name or model number of the product.

Tripp Lite has a policy of continuous improvement. Product specifications are subject to change without notice.

Note on Labeling: Two symbols are used on the label. V~ : AC Voltage V⎓: DC Voltage

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